

DEPARTMENT OF TRANSPORTATION -Toll Bridge Program

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May 3, 2010

Contract No. 04-0120F4
04-SF-80-13.2 / 13.9
Self-Anchored Suspension Bridge
Letter No. 05.03.01-007364

Michael Flowers
Project Executive
American Bridge/Fluor, A JV
375 Burma Road
Oakland, CA 94607

Dear Michael Flowers,

Submittal 1539, Rev. 2 & Transmittal 3344 - March 2010 Schedule

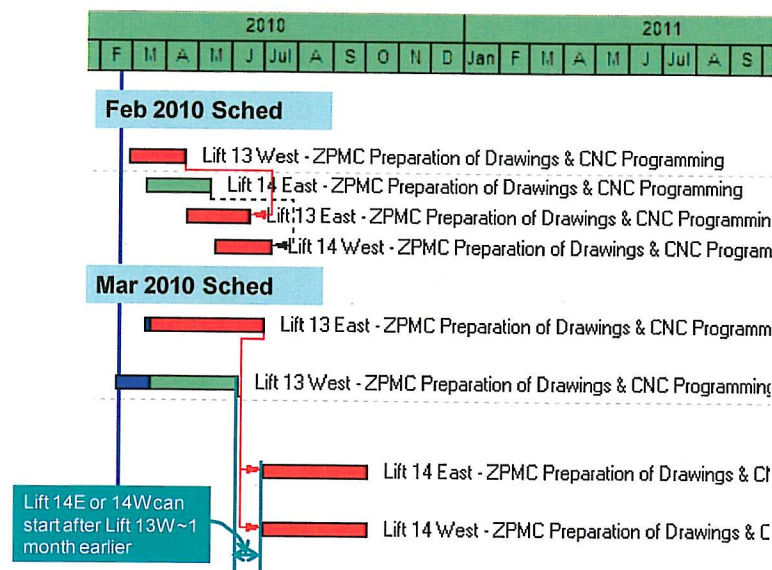
The Department is in receipt of the update schedule ABF-CAL-TRN-003344R00, "Project Schedule Monthly Update #40 (20-March-2010) - Status Update," dated April 7, 2010, and the revision schedule ABF-SUB-001539R02, "Project Schedule Monthly Update No. 40 (20-March-2010)," dated April 12, 2010. Submittals ABF-SUB-001539R00 dated April 5, 2010 and ABF-SUB-001539R01 dated April 6, 2010, have been superseded by ABF-SUB-001539R02 due to a change in the RFI schedule data date. The schedule presentation was held on April 8, 2010.

The March 2010 revision schedule, which incorporates TIA 8, extends the project completion date by 35 days compared to the February 2010 schedule. The project completion is currently approximately 12 months beyond the current accepted project completion date of October 24, 2013. The majority of these impacts to project completion are associated with OBG East End issues. It is recognized that the proposed revision schedule includes ABF's current estimate of OBG East End shop drawing and fabrication logic and durations without an allocation of responsibility for the additional 35 day project delay. The Department will continue to work with ABF to develop mitigation measures and other workarounds to minimize project impacts irrespective of the assumption of responsibility. It should be noted; however, that mitigation of all non-compensable delays will be required. The Department does not take responsibility for the schedule impacts arising from schedule revisions not initiated by the Department, including work re-sequencing and introduction of previously omitted scope of work. The March 2010 update and revision schedule is "Accepted" with the following comments:

CATEGORY B:

B1. Lift 14 East and West Preparation of Drawings and CNC Programming

As shown in the figure below, Lifts 14 East and West "Preparation of drawings and CNC programming" is scheduled to begin after both Lifts 13 East and West "Preparation of drawings and CNC programming" are complete. Provide an explanation for this logic constraint. Without this constraint, Lifts 14 East or West preparation of drawings can begin approximately one month earlier. Review and revise accordingly.



B2. Active Activities without Progress

The update schedule contains active activities reporting progress issues (See Attachment –Activities with Progress Issues). Examine these activities prior to the next schedule submission to ensure that correct status is represented. If the status is correct, provide an explanation for the lack of progress. The narrative for future updates should contain an explanation for the lack of progress in specific areas of the work and include a mitigation plan as required.

B3. Original Duration Changes

Revert the original duration back to its value in the February 2010 schedule for the following completed activity:

ACT	Description	Feb '10 Duration	Mar '10 Duration	ESD	EFD
BDSUBDF5830	Prepare, Submit, Review AWD - Future Scope Development - Pkg 104	1	6	19-Feb-10 A	19-Feb-10 A

Revise the original duration assigned to the activities below:

ACT	Description	Duration
BDSUBDF4004	Prepare, Submit, Review AWD - Future Scope Development - Pkg 114	0
BDSUBDF4006	Prepare, Submit, Review AWD - Future Scope Development - Pkg 115	0
BDSUBDF4012	Prepare, Submit, Review AWD - Future Scope Development - Pkg 118	0
BDSUBDF4014	Prepare, Submit, Review AWD - Future Scope Development - Pkg 119	0
BDSUBDF4016	Prepare, Submit, Review AWD - Future Scope Development - Pkg 120	0

BDSUBDF4018	Prepare, Submit, Review AWD - Future Scope Development - Pkg 121	0
BDSUBDF4022	Prepare, Submit, Review AWD - Future Scope Development - Pkg 123	0
BDSUBDF5000	Prepare, Submit, Review AWD - Future Scope Development - Pkg 90	0
BDSUBDF5655	Prepare, Submit, Review AWD - Future Scope Development - Pkg 91	0
BDSUBDF5660	Prepare, Submit, Review AWD - Future Scope Development - Pkg 96	0
BDSUBDF5670	Prepare, Submit, Review AWD - Future Scope Development - Pkg 102	0
BDSUBDF5820	Prepare, Submit, Review AWD - Future Scope Development - Pkg 103	0
BDSUBDF5925	Prepare, Submit, Review AWD - Future Scope Development - Pkg 97	0
BDSUBDF5935	Prepare, Submit, Review AWD - Future Scope Development - Pkg 98	0
BDSUBDF5945	Prepare, Submit, Review AWD - Future Scope Development - Pkg 99	0
BDSUBDF5950	Prepare, Submit, Review AWD - Future Scope Development - Pkg 109	0
BDSUBDF5960	Prepare, Submit, Review AWD - Future Scope Development - Pkg 110	0
BDSUBDF5970	Prepare, Submit, Review AWD - Future Scope Development - Pkg 111	0
BDSUBDF5975	Prepare, Submit, Review AWD - Future Scope Development - Pkg 108	0

B4. OBG Lifts 13 & 14 Duplicate Loading Activities

There are duplicate activities for the ship loading of OBG Lifts 13 and 14 as shown below. Review and revise as necessary.

ID	Name	Calendar	OD	Start	Finish	TF	2011	Qtr 3, 2011				Qtr 4, 2011	
								Jun	Jul	Aug	Sep	Oct	Nov
L13WGSHO055	Load Lift 13 for Shipment	7D-CH	5	24-May-11	28-May-11	-365	<input type="checkbox"/>	Load Lift 13 for Shipment					
L14WGSHO085	Load Lift 14 for Shipment	7D-CH	5	16-Aug-11	20-Aug-11	-449							
SHIP000075	Shipment 7a Ready to Depart	7D	0		20-Aug-11	-467							
PGFABDA0197	Inspect & Load for Sea Transport - OBG Lifts 13 - 14	6D-CH	9	22-Aug-11	31-Aug-11	-383							

B5. Tower Erection Logic Change

The Department notes that the following Finish-to-Start logic has been deleted.

Link/Lag	PredID	Description	SuccID	Description
Rel=FS/0	T1CON000085	Construct Erection Tower - Erect Gantry - Lift 1	BDCON000600	Set OBG on TT (Lift 06W)

This logic change results in the two operations occurring concurrently. Examine the possible interference between the activities.

ID	Name	Calendar	OD	Start	Finish	TF	Qtr 3, 2010						Qtr 4, 2010	
							Jun	Jul	Aug	Sep	Oct	Nov		
T1CON000080	Erect Tower Crane - Favco at 83m	5D-SH	10	10-Jun-10	23-Jun-10	-211								
BDCON000600	Set OBG on TT (Lift 06W)	5D-SH	5	24-Jun-10	30-Jun-10	-80								
T1CON000085	Construct Erection Tower - Erect...	5D-SH	10	24-Jun-10	08-Jul-10	-211								

B6. Bike Path Fabrication Status

The schedule shows that bike path panel fabrication has not started. Project records indicate that the fabrication is underway in workshop 19. Review and revise its status accordingly.

CATEGORY C:

C1. Critical Path Changes

ABF states in the schedule narrative that the inclusion of a Shop Drawing Review Team (DRT) has delayed the project completion by 35 days. The Department notes that the 35 days of delay is attributable not only to the inclusion of the DRT activities, but also to the logic and duration changes to Lifts 13 and 14 'ZPMC Preparation of Drawings & CNC Programming' activities.

ACT	Description	Feb '10 Duration	Mar '10 Duration
L13EGWD095	Lift 13 East - ZPMC Preparation of Drawings & CNC Programming	52	102
L13WGWD075	Lift 13 West - ZPMC Preparation of Drawings & CNC Programming	52	102
L14EGWD095	Lift 14 East - ZPMC Preparation of Drawings & CNC Programming	52	90
L14WGWD115	Lift 14 West - ZPMC Preparation of Drawings & CNC Programming	52	90

The Department defers the determination of responsibility for this delay to the resolution of ABF-SUB-001554R00, "Time Impact Analysis (TIA) No. 8." The Department does not take responsibility for the schedule impacts arising from schedule revisions not initiated by the Department.

C2. Sub Critical Path

The schedule indicates that T1 Tower erection activities are 3 months away from being critical. The Department is concerned that progress issues in Tower fabrication may limit the mitigation opportunities.

C3. Temporary PWS Systems Start

The Department understands that ABF continues to study the alternative to erect catwalks immediately after the erection of the Tower as noted in ABF-CAL-LTR-001009 dated August 7, 2009. Discuss the interim results of the study.

The March 2010 revision schedule revision is accepted as ABF's current plan to complete the project with the understanding that all non-excusable delays will be mitigated. The Department continues to work with ABF to expedite progress and mitigate potential impacts.

Sincerely,



GARY PURSELL
Resident Engineer

Attachment

file: 05.03.01, 26.05, 55.1515